

CLAIMS

We claim:

1. A device for attaching a first mass to a second mass comprising:
 - a base having a base axis, a first end and a second end,
 - a first leg, wherein the first leg extends from the first end of the base, and
 - wherein the device has a first configuration and a second configuration, andwherein the device is in the first configuration when the base is rotated with respect to the base axis.
2. The device of Claim 1, further comprising a second leg, wherein the second leg extends from the second end of the base.
3. A device for attaching a first mass to a second mass comprising:
 - a base having a base axis, a first end and a second end,
 - a first leg having a first longitudinal axis and a first leg length, wherein the first leg is attached to the first end of the base, and
 - a second leg having a second longitudinal axis and a second leg length, wherein the second leg extends from the second end of the base,
 - and wherein the first leg length is longer than the second leg length.

- 1 4. The device of Claim 3, wherein the device has a first configuration and a second
2 configuration, and wherein the device is in the first configuration when the base is rotated
3 with respect to the base axis.
4
- 5 5. The device of Claim 3, wherein the first leg length is greater than or equal to three
6 times the second leg length.
7
- 8 6. A device for attaching a first mass to a second mass comprising:
9 a curved base having a base diameter, a first end and a second end,
10 a first leg having a first longitudinal axis and a first leg length, wherein the first
11 leg extends from the first end of the base, and
12 a second leg having a second longitudinal axis and a second leg length, wherein
13 the second leg extends from the second end of the base,
14 wherein the device has a relaxed configuration, and wherein in the relaxed
15 configuration the first leg crosses the second leg at a leg angle, and wherein the leg angle
16 is less than 180 degrees.
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- 18 7. The device of Claim 6, wherein the leg angle is less than or equal to 90 degrees.
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- 20 8. The device of Claim 6, wherein the leg angle is less than or equal to 60 degrees.
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- 22 9. The device of Claim 6, wherein the base diameter is less than or equal to 0.13 inches.
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- 1 10. The device of Claim 9, wherein the base diameter is greater than or equal to 0.08
2 inches.
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- 4 11. A method of attaching a first mass to a second mass using an attachment device
5 comprising a base having a base axis, a first end and a second end, a first leg extending
6 from the first end of the base, and a second leg extending from the second end of the
7 base, wherein the attachment device has a first configuration and a second configuration,
8 the method comprising:
9 holding the attachment device in the first configuration,
10 rotating the base about the base axis to force the attachment device into the
11 second configuration,
12 inserting the attachment device into the first mass and the second mass; and
13 releasing the attachment device.
14
- 15 12. The method of Claim 11, wherein the rotating the base occurs before the inserting the
16 attachment device into the first mass.
17
- 18 13. The method of Claim 11, wherein the inserting the attachment device into the first
19 mass occurs before the rotating the base.
20
- 21 14. The method of Claim 11, wherein a first object comprises a first section and a second
22 section, and wherein the first section comprises the first mass and the second section
23 comprises the second mass.

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2 15. A method of attaching a first mass to a second mass, the method comprising:

3 forcibly holding an attachment device in a first configuration, wherein the

4 attachment device has the first configuration and a second configuration;

5 inserting the attachment device into the first mass and the second mass; and

6 releasing the attachment device, wherein the attachment device attempts to form

7 the second configuration when released.

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